

CLAIM AMENDMENTS

1. (Currently Amended)

An image recording method comprising:

forming an image by jetting an ultraviolet curable ink on a recording medium from a recording head of an ink jet system; thereafter curing and fixing the ink placed on the recording medium by irradiation with an ultraviolet-ray;

inputting a type of recording medium to be used for forming the image; and

selecting a jet condition of the recording head for an image formation from a plurality of jet conditions stored for each type of the recording medium, depending on the type of the recording medium inputted;

wherein:

the jet condition comprises a tone curve which is set depending on a type of the recording medium for determining an amount of ink to be jetted for individual colors in response to an input signal; and

for a case where the recording medium has a glossiness larger than a predetermined value, the tone curve having an output coefficient for a highlighted area smaller than that of a case where the recording medium has a glossiness smaller than the predetermined value is used.

2. (Canceled)

3. (Currently Amended)

The method of claim 2 1, wherein for a case where the recording medium has a low ink absorptivity, the tone curve having an output coefficient for a highlighted area smaller than that of a case where the recording medium has a high ink absorptivity is used.

4. (Canceled)

5. (Currently Amended)

~~The method of claim 2, wherein~~ An image recording method comprising:

forming an image by jetting an ultraviolet curable ink on a recording medium from a recording head of an ink jet system; thereafter curing and fixing the ink placed on the recording medium by irradiation with an ultraviolet-ray;

inputting a type of recording medium to be used for forming the image; and

selecting a jet condition of the recording head for an image formation from a plurality of jet conditions stored for each type of the recording medium, depending on the type of the recording medium inputted;

wherein:

the jet condition comprises a tone curve which is set depending on a type of the recording medium for determining an amount of ink to be jetted for individual colors in response to an input signal; and

for a case where the ultraviolet curable ink comprises a non-water-based ink, the tone curve having an output coefficient for a highlighted area smaller than that of a case where the ultraviolet curable ink comprises a water-based ink is used.

6. (Currently Amended)

~~The method of claim 2, wherein~~ An image recording method comprising:

forming an image by jetting an ultraviolet curable ink on a recording medium from a recording head of an ink jet system; thereafter curing and fixing the ink placed on the recording medium by irradiation with an ultraviolet-ray;

inputting a type of recording medium to be used for forming the image; and

selecting a jet condition of the recording head for an image formation from a plurality of jet conditions stored for each type of the recording medium, depending on the type of the recording medium inputted;

wherein:

the jet condition comprises a tone curve which is set depending on a type of the recording medium for determining an amount of ink to be jetted for individual colors in response to an input signal; and

for the case where the ultraviolet curable ink comprises a non-water-based ink and the recording medium has glossiness larger than a predetermined value, the tone curve having an output coefficient for a highlighted area smaller than that of a case where the ultraviolet curable ink comprises a water-based ink and the recording medium has a glossiness larger than the predetermined value is used.

7. (Original)

The method of claim 1, wherein the jet condition comprises a limit amount of ink for determining a total amount of ink to be jetted per pixel based on a total input signal.

8. (Currently Amended)

~~The method of claim 4,~~ An image recording method comprising:

forming an image by jetting an ultraviolet curable ink on a recording medium from a recording head of an ink jet system; thereafter curing and fixing the ink placed on the recording medium by irradiation with an ultraviolet-ray;

inputting a type of recording medium to be used for forming the image; and

selecting a jet condition of the recording head for an image formation from a plurality of jet conditions stored for each type of the recording medium, depending on the type of the recording medium inputted; wherein:

the jet condition comprises a tone curve which is set depending on a type of the recording medium for determining an amount of ink to be jetted for individual colors in response to an input signal;

for a case where the recording medium has a glossiness larger than a predetermined value, the tone curve having an output coefficient for a highlighted area smaller than that of a case where the recording medium has a glossiness smaller than the predetermined value is used; and

for a case where the ultraviolet curable ink comprises a water-based ink and the recording medium has a glossiness smaller than the predetermined value, a limit amount of ink is reduced from that of a case where the ultraviolet curable ink comprises a non-water-based ink to the recording medium has a glossiness smaller than the predetermined value.

9. (Previously Presented)

The method of claim 1, the type of the recording medium is inputted using a gloss sensor.

10. (Currently Amended)

An image recording apparatus comprising:

a recording head of an ink jet system for forming an image by jetting an ultraviolet curable ink on a recording medium;

a light source for irradiating the recording medium with an ultraviolet ray to cure and fix the ink placed on the recording medium;

an input section for inputting a type of the recording medium;

a storing section for storing a plurality of toner curves as a jet condition for each type of the recording medium; each of which is set depending on a type of the recording medium for determining an amount of ink to be jetted for individual colors in response to an input signal; and

a control section which identifies the type of the recording medium to be used based on an input result through the input section, ~~and~~ selects a jet condition corresponding to the type identified, and the tone curve having an output coefficient for a highlighted area smaller than that of a case where the recording medium has a glossiness smaller than a predetermined value is used for a case where the recording medium has a glossiness larger than the predetermined value for controlling the recording head.

11. (Canceled)

12. (Original)

The apparatus of claim 10, the storing section stores a plurality of limit amounts of ink to be jetted as the jet condition, each of which is set depending on a type of the recording medium for determining a total amount of ink to be jetted in response to a total input signal.

13. (Previously Presented)

The apparatus of claim 10, the input section comprises a gloss sensor for inputting a gloss of the recording medium.